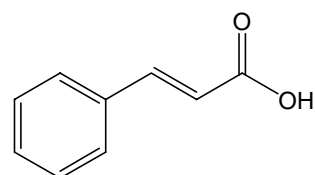
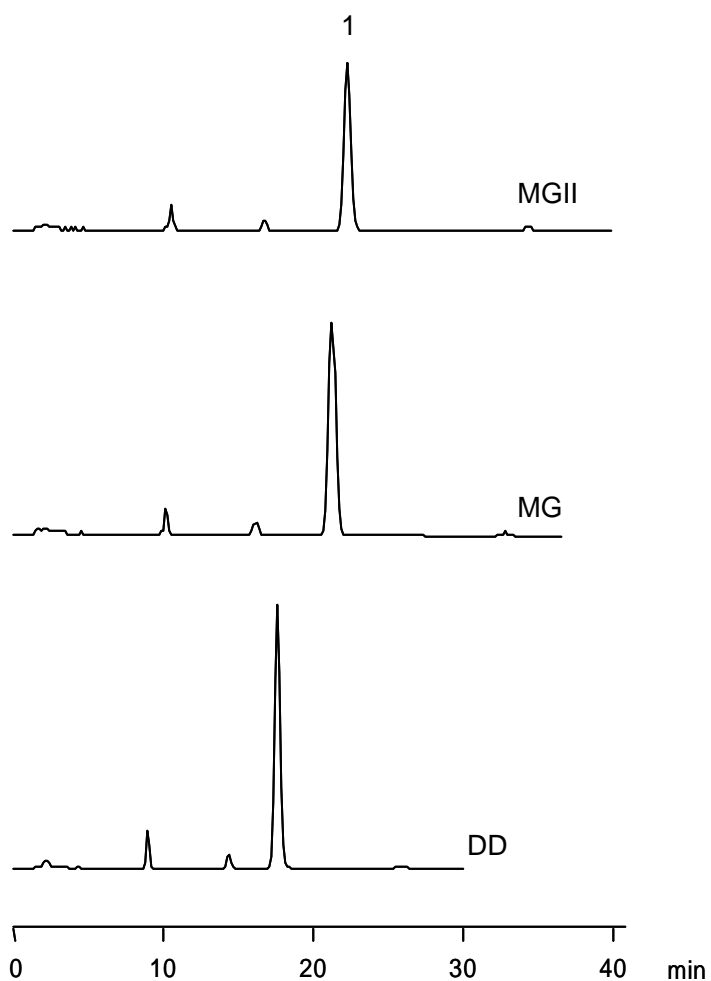


ケイヒ中ケイヒ酸

Cinnamic acid

ケイヒは日本薬局方収載の生薬であり、薬効の幅が広く、他薬と配合して健胃薬、強壯薬などとして用いられています。

Cinnamon bark is one of the crude medicines listed in The Japanese Pharmacopoeia. Since it has many beneficial effects, cinnamon bark is mixed with other crude medicines to make stomachics and antiasthenic drugs.



1. ケイヒ酸
Cinnamic acid (M.W. 148.2)

[HPLC Conditions]

Column : CAPCELL PAK C₁₈ MGII S5 ; 4.6 mm i.d. x 150 mm
CAPCELL PAK C₁₈ MG S5 ; 4.6 mm i.d. x 150 mm
CAPCELL PAK C₈ DD S5 ; 4.6 mm i.d. x 150 mm

Mobile phase : CH₃CN / H₂O / CH₃COOH = 75 / 24 / 1

Flow rate : 1 mL/min

Temperature : R.T.

Detection : UV 275 nm

Inj. vol. : 2 µL

Sample dissolved in : Cinammon bark was cut into small pieces, and ground in a mortar with a pestle. 0.5 g of the ground cinnamon bark was dispersed in a mixed solvent (50 mL, water / methanol = 1 / 4). The dispersion was sonicated (30 min) and filtered with filter paper. A small amount of the filtered liquid was further filtered with a 0.2-µm filter, and introduced to HPLC.

1 µg/mL = 1 ppm